

MET-03 To do list

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Sent: Tuesday, August 14, 2012 8:20 AM**To:** Michael W McGee; Patrick G Hurh; joe.odell@stfc.ac.uk; chris.densham@stfc.ac.uk; Roderick L Stewart; richard.day@stfc.ac.uk**Attachments:** tooling_ball_clearance.jpg (193 KB)

Hi Guys

Just trying to recall [things we need to do and](#) all the problems we experienced with the first target. Please feel free to add to this list if I have forgotten anything.

1. Please can you return the custom seals (for cooling rail pipes and outer vessel) and 12" stainless blank transport flange for next target
2. Budal fins, need two independent electrical connections
3. Budal electrical connection pin threads were a little short to get a vented washer, plain washer, electrical connection and nut on
4. Shoulder screws slightly too long (~1-2mm) (slight interference DS end? Probably depends on bracket alignment)
5. Target support posts wobble (we added nut for Mk1, spot weld for next target?)
6. 5mm spring pins too difficult to install → smaller or dowel pin
7. Tooling ball fit
8. [Tooling ball](#) clearance to outer vessel (see attached picture → Mk1 was ok, but only just, a small radius on the cutter and tooling balls wont seat properly)
9. Even though tooling balls were a loose fit they were hard to install as there is no vent hole. Can we add one to the tooling balls?

Joe is modelling up changes to the outer vessel to move the welds outside of the vessel. When we are happy we will send these drawings to you for integration into the drawing package.

I think we should try to address these issues and then have a one final drawing package for the Mk2 (MET-03) target. There was many revisions to Mk1 so our drawings at RAL should be archived and we should start again. I fear trying to change the odd drawing without a drawing database is dangerous.

Mike

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